



U.S. Fish & Wildlife Service

Watchable Wildlife

Bitter Lake

National Wildlife Refuge

Welcome

Bitter Lake National Wildlife Refuge is one of New Mexico's most important sanctuaries and breeding grounds for migratory birds and other wildlife. Established in 1937, the 24,500-acre refuge is strategically located along the Pecos River where the Chihuahuan Desert meets the Great Plains. The convergence of these vastly different terrains has produced a diverse range of habitats, providing a home to a rich array of plant and animal life, including a number of rare species.

Bitter Lake NWR is best known for its spectacular variety of birds, particularly the large migrations of ducks, geese, and cranes during the fall and winter months. Many of these creatures are drawn by the refuge's wetlands, which offer an abundance of food as well as ideal nesting habitat for some species. Other animals also thrive on the refuge, including everything from least shrews to barking frogs to Pecos pupfish.

An obvious hardship for fish living in the desert is the scarcity of water. Yet Bitter Lake NWR provides important wetland habitat to a number of native fish, including several that are quite rare. Most native fish found on the refuge are small and able to survive extreme environmental conditions such as high temperatures, intense sunlight, high mineral content of water, and low dissolved oxygen. They also have the unique ability to adjust to sudden changes in these conditions. Numerous isolated gypsum sinkholes on the refuge provide a natural and secure environment for native fish. In addition, the native fish community in Bitter Creek is more diverse than any other habitat area on the refuge. Fish management at Bitter Lake NWR is focused on the protection, maintenance, and enhancement of native species and their habitats.

Fish

The following species are listed by family and taxa from *The Fishes of New Mexico*, by J. E. Sublette, M. D. Hatch and M. Sublette. UNM Press. 1990.

Family Lepisosteidae – Gars

Longnose gar *Lepisosteus osseus*

Family Clupeidae – Shads

Gizzard shad *Dorosoma cepedianum*

Family Characidae – Characins

Mexican tetra *Astyanax mexicanus*

Family Cyprinidae – Carps and Minnows

Red shiner *Cyprinella lutrensis*

Common carp *Cyprinus carpio*

Roundnose minnow *Dionda episcopa*
Speckled chub *Extrarius aestivalis*
Plains minnow *Hybognathus placitus*
Arkansas River shiner *Notropis girardi*
Rio Grande shiner *Notropis jemezianus*
Pecos bluntnose shiner *Notropis simus pecosensis*
Fathead minnow *Pimephales promelas*

Family Catostomidae – Suckers

River carpsucker *Carpoides carpio*

Family Ictaluridae – Catfishes

Channel catfish *Ictalurus punctatus*

Family Cyprinodontidae – Pupfish

Pecos pupfish *Cyprinodon pecosensis*

Family Fundulidae – Killifishes

Plains killifish *Fundulus zebrinus*

Rainwater killifish *Lucania parva*

Family Poeciliidae – Livebearers

Mosquitofish *Gambusia affinis*

Pecos gambusia *Gambusia nobilis*

Family Atherinidae – Silversides

Inland silversides *Menidia beryllina*

Family Centrarchidae – Sunfishes

Green sunfish *Lepomis cyanellus*

White crappie *Pomoxis annularis*

Family Percidae – Perches

Walleye *Stizostedion vitreum*

Greenthroat darter *Etheostoma lepidum*

Reptiles and Amphibians

The unique habitat created at the transition between the Chihuahuan Desert, the shortgrass prairie, and the Pecos River Valley, together with the area's distinctive geology, supports a diversity of amphibians and reptiles. Due to the warm, semi-arid climate, many reptiles and amphibians on the refuge have activity periods closely tied to the summer rainy season. Eroding cliffs, gypsum soils, and small mammal burrows provide habitat for many of the refuge's amphibians and reptiles, which have developed unique adaptations for survival in this desert environment. For example, barking frogs lay eggs that hatch directly into fully-formed froglets, eliminating the more typical amphibian-tadpole stage. Spadefoot toads have a horn-like "spade" on their hind feet to aid in digging deeply into the soil, where they stay for most of the year waiting for more favorable rainy conditions.

The species are listed in accordance with *The Amphibians and Reptiles of New Mexico*, by W.G. Degenhardt, C.W. Painter, and A.H. Price. UNM Press. 1996.

Amphibians

Family Ambystomatidae – Mole Salamanders

Tiger salamander *Ambystoma tigrinum*

Family Leptodactylidae – Tropical Frogs

Eastern barking frog *Eleutherodactylus augusti latrans*

Family Pelobatidae – Spadefoot Toads

Couch's spadefoot toad *Scaphiopus couchii*

New Mexico spadefoot toad *Spea multiplicata*

Plains spadefoot toad *Spea bombifrons*

Family Bufonidae – Toads

Woodhouse's toad *Bufo woodhousii*

Red-spotted toad *Bufo punctatus*

Great Plains toad *Bufo cognatus*

Texas toad *Bufo speciosus*

Western green toad *Bufo debilis insidiosus*

Family Hylidae – Treefrogs

Northern cricket frog *Acris crepitans blanchardi*

Family Ranidae – True Frogs

Plains leopard frog *Rana blairi*

Family Chelydridae – Snapping Turtles

Common snapping turtle *Chelydra serpentina*

Family Kinosternidae – Mud Turtles

Yellow mud turtle *Kinosternon flavescens*

Family Emydidae – Box and Water Turtles

Western painted turtle *Chrysemys picta bellii*

Red-eared slider *Trachemys scripta elegans*

Western river cooter *Pseudemys gorzugi*

Ornate box turtle *Terrapene ornata ornata*

Family Trionychidae – Softshell Turtles

Spiny softshell turtle *Trionyx spiniferus*

Reptiles

Family Phrynosomatidae – Iguanid Lizards

Lesser earless lizard *Holbrookia maculata*

Side-blotched lizard *Uta stansburiana*

Texas horned lizard *Phrynosoma cornutum*

Round-tailed horned lizard *Phrynosoma modestum*

Family Crotophytidae – Collared and Leopard Lizards

Collared lizard *Crotaphytus collaris*

Leopard lizard *Gambelia wislizenii*

Family Scincidae – Skinks

Many-lined skink *Eumeces multivirgatus epipleurotus*

Great Plains skink *Eumeces obsoletus*

Family Teiidae – Whiptail Lizards

Little striped whiptail lizard *Cnemidophorus inornatus*

Chihuahuan spotted whiptail *Cnemidophorus exsanguis*

Western whiptail lizard *Cnemidophorus tigris*

Checkered whiptail lizard *Cnemidophorus grahamii (tesselatus)*

Family Leptotyphlopidae – Blind Snakes
Texas blind snake *Leptotyphlops dulcis*

Family Colubridae – Colubrid Snakes
Ringneck snake *Diadophis punctatus*
Western hognose snake *Heterodon nasicus*
Yellowbelly racer *Coluber constrictor*
Coachwhip *Masticophis flagellum*
Great Plains rat snake *Elaphe guttata*
Glossy snake *Arizona elegans*
Bullsnake *Pituophis melanoleucus*
Desert kingsnake *Lampropeltis getula splendida*
New Mexico milk snake *Lampropeltis triangulum celenops*
Long-nosed snake *Rhinocheilus lecontei*
Checkered garter snake *Thamnophis marciatus*
Arid land ribbon snake *Thamnophis proximus diabolicus*
Western hooknose snake *Gyalopion canum*
Plains black-headed snake *Tantilla nigriceps*
Night snake *Hypsiglena torquata*

Family Viperidae – Rattlesnakes
Desert massasauga *Sistrurus catenatus*
Western diamondback rattlesnake *Crotalus atrox*
Prairie rattlesnake *Crotalus viridis*

Mammals
Most of the mammals found at the refuge are nocturnal (active at night) or crepuscular (active at dusk and dawn) and are rarely seen. They occur in a variety of habitats on the refuge including wooded riparian areas, rocky bluffs, grasslands, and wetlands. With the exception of bats, all mammals on the refuge are year-round residents, and are either active throughout the year or spend a portion of their life in hibernation during winter months or in estivation (dormancy) during summer months. Most of the bat species on the refuge occur seasonally as they migrate through the Pecos River Valley, similar to some species of birds. Four mammal species are not native to the area. The fox squirrel, house mouse, and feral domestic swine are currently found on the refuge. Nutria, which escaped from captivity, established a colony that persisted on the refuge through the 1940's. There have been no sightings of this species since the 1950's. The refuge is within the historic range of the black-footed ferret. An unconfirmed sighting of this native species was reported on the refuge in 1979.

Mammals are listed in accordance with the revised *Checklist of the North American Mammals North of Mexico* by J.K. Jones, Jr., R.S. Hoffman, D.W. Rice, C. Jones, R. J. Baker, and M.D. Engstrom. 1991.

• denotes either an unconfirmed report of a species or a species that may occur but has not been documented.

Family Soricidae – Shrews
Least shrew *Cryptotis parva*
Desert shrew *Notiosorex crawfordi*

Family Vespertilionidae – Plain-nosed Bats
• Little brown myotis *Myotis lucifugus*
• Yuma myotis *Myotis yumanensis*
Cave myotis *Myotis velifer*
• Long-eared myotis *Myotis evotis*

• Fringed myotis *Myotis thysanodes*
• Long-legged myotis *Myotis volans*
• California myotis *Myotis californicus*
• Small-footed myotis *Myotis ciliolabrum*
Silver-haired bat *Lasionycteris noctivagans*
• Western pipistrelle *Pipistrellus hesperus*
• Big brown bat *Eptesicus fuscus*
• Red bat *Lasiurus borealis*
Hoary bat *Lasiurus cinereus*
• Spotted bat *Euderma maculatum*
Townsend's big-eared bat *Plecotus townsendii*
Pallid bat *Antrozous pallidus*

Family Molossidae – Free-tailed Bats
Brazilian free-tailed bat *Tadarida brasiliensis*
• Big free-tailed bat *Nyctinomops macrotis*

Family Leporidae – Rabbits and Hares
Desert cottontail *Sylvilagus auduboni*
Black-tailed jackrabbit *Lepus californicus*

Family Sciuridae – Squirrels
Thirteen-lined ground squirrel *Spermophilus tridecemlineatus*
• Mexican ground squirrel *Spermophilus mexicanus*
Spotted ground squirrel *Spermophilus spilosoma*
Black-tailed prairie dog *Cynomys ludovicianus*
Fox squirrel *Sciurus niger*

Family Geomyidae – Pocket Gophers
Plains pocket gopher *Geomys bursarius*
Yellow-faced pocket gopher *Cratogeomys castanops*

Family Heteromyidae – Pocket Mice and Kangaroo Rats
Plains pocket mouse *Perognathus flavescens*
Silky pocket mouse *Perognathus flavus*
• Merriam's pocket mouse *Perognathus merriami*
Hispid pocket mouse *Chaetodipus hispidus*
Ord's kangaroo rat *Dipodomys ordii*
• Banner-tailed kangaroo rat *Dipodomys spectabilis*
Merriam's kangaroo rat *Dipodomys merriami*

Family Castoridae – Beaver
Beaver *Castor canadensis*

Family Cricetidae – Rats and Mice
• Plains harvest mouse *Reithrodontomys montanus*
Western harvest mouse *Reithrodontomys megalotis*
Deer mouse *Peromyscus maniculatus*
White-footed mouse *Peromyscus leucopus*
• Brush mouse *Peromyscus boylii*
Northern grasshopper mouse *Onychomys leucogaster*
Mearn's grasshopper mouse *Onychomys arenicola*
Hispid cotton rat *Sigmodon hispidus*
Southern plains woodrat *Neotoma micropus*
White-throated woodrat *Neotoma albigula*
Muskrat *Ondatra zibethicus*

Family Muridae – Old World Rats and Mice
House mouse *Mus musculus*

Family Erethizontidae – Porcupines
Porcupine *Erethizon dorsatum*

Family Capramyidae – Nutria
Nutria *Myocastor coypus*

Family Canidae – Coyotes and Foxes
Coyote *Canis latrans*
• Swift fox *Vulpes velox velox*
Kit fox *Vulpes velox macrotis*
Gray fox *Urocyon cinereoargenteus*

Family Procyonidae – Raccoon and Ringtail
Ringtail *Bassariscus astutus*
Raccoon *Procyon lotor*

Family Mustelidae–Weasel, Badger, Skunks, & Otter
Long-tailed weasel *Mustela frenata*
Black-footed ferret *Mustela nigripes*
Badger *Taxidea taxus*
• Western spotted skunk *Spilogale gracilis*
Striped skunk *Mephitis mephitis*
• Hog-nosed skunk *Conepatus mesoleucus*
River otter *Lutra canadensis*

Family Felidae – Cats
Bobcat *Lynx rufus*

Family Suidae – Swine
Feral domestic swine *Sus scrofa*

Family Cervidae – Deer
Mule deer *Odocoileus hemionus*
White-tailed deer *Odocoileus virginianus*

Family Antilocapridae – Pronghorn
Pronghorn *Antilocapra americana*

Birds
Bitter Lake NWR contains a mix of natural wetlands, riparian corridors, cropland, impoundments, and desert uplands, providing a variety of habitats for a large diversity of birds, including both eastern and western species. Bird activity continues year-round on the refuge, offering outstanding opportunities for bird watchers. Shelter belts and trees at refuge headquarters serve as hot spots for migrating songbirds, primarily in early May. Spring and late summer are marked by marsh-bird and shorebird migrations. Fall brings raptor migrations, followed by waterfowl concentrations in winter and early spring. A number of birds nest on the refuge each summer, including unique species such as the snowy plover and the interior least tern.

This list contains 350 species that have been recorded on the refuge through May 1997.

Symbols used in this list are defined as follows:

Sp	Spring	March - May
Su	Summer	June - July
F	Fall	August - November
W	Winter	December - February
A	Abundant	
	A common species that is very numerous.	
C	Common	
	Certain to be seen in suitable habitats.	
U	Uncommon	
	Present, not certain to be seen.	
O	Occasional	
	Seen few times during the season.	
R	Rare	
	Seen at intervals of 2 to 5 years.	
X	Accidental	
	Has been seen only once or twice.	
*	Nesting Species	

Common Name	Sp	Su	F	W
Loons				
Red-throated Loon			X	
Pacific Loon			X	X
Common Loon	R		R	O

Common Name	Sp	Su	F	W	Common Name	Sp	Su	F	W	Common Name	Sp	Su	F	W
Grebes					Hawks, Kites, Eagles and Allies					Sandpipers, Phalaropes, and Allies, Continued				
*Pied-billed Grebe	C	U	C	C	Osprey	O	R	O	R	Long-billed Dowitcher	C	C	C	R
Horned Grebe	R		R	R	White-tailed Kite	R	R			Common Snipe	U	R	U	U
Red-necked Grebe				X	*Mississippi Kite	U	O	R		Wilson's Phalarope	A	U	U	
Eared Grebe	C	R	C	U	Bald Eagle			R	O	Red-necked Phalarope	O		O	
Western Grebe	O	R	O	U	*Northern Harrier	C	U	C	C	Jaegers, Gulls, and Terns				
Clark's Grebe		R	R	R	Sharp-shinned Hawk	U	R	U	O	Pomarine Jaeger	X			X
Pelicans					Cooper's Hawk	U	O	U	U	Long-tailed Jaeger		X	X	
American White Pelican	C	O	C	R	Northern Goshawk	R			R	Laughing Gull		R		
Brown Pelican	X	X	X		*Harris' Hawk	R	R	R	R	Franklin's Gull	U	R	U	
Cormorants					*Swainson's Hawk	U	O	U		Bonaparte's Gull	R		R	R
Double-crested Cormorant	U	R	U	R	Red-tailed Hawk	C	O	C	C	Heermann's Gull	X		X	
Neotropic Cormorant	R	R	R		Ferruginous Hawk	U	R	U	U	Ring-billed Gull	C	O	C	C
Frigatebirds					Rough-legged Hawk	O		U	U	Herring Gull	R		O	O
Magnificent Frigatebird				X	Golden Eagle	O		O	O	Sabine's Gull			R	
Herons, Bitterns, and Allies					Caracaras and Falcons					Caspian Tern	R		R	
*American Bittern	U	U	U	U	Crested Caracara				X	Common Tern	R		R	
*Least Bittern	R	R	R		*American Kestrel	C	C	C	C	*Forster's Tern	U	U	U	
Great Blue Heron	C	U	C	C	Merlin	O		O	O	*Least Tern	U	U	O	
Great Egret	O	O	O	O	Peregrine Falcon	O	R	O	R	Black Tern	C	U	U	
*Snowy Egret	C	C	C	R	Prairie Falcon	U	O	U	U	Pigeons and Doves				
Little Blue Heron	R	O	R		Pheasants and Old World Quail					Rock Dove	R	R	R	R
Tricolored Heron	R	R	R		*Ring-necked Pheasant	C	C	C	C	Band-tailed Pigeon		X		
Reddish Egret		X	X		Lesser Prairie-Chicken	X		X	X	White-winged Dove	O	O	R	R
Cattle Egret	O	O	R	R	New World Quail					*Mourning Dove	A	A	A	C
*Green Heron	U	C	U	R	*Scaled Quail	U	U	U	U	Inca Dove	R	R	R	R
*Black-crowned Night-Heron	C	C	U	U	*Northern Bobwhite	U	U	U	U	Cuckoo, Roadrunner, and Allies				
Yellow-crowned Night-Heron	R	R	R		Rails, Gallinules, and Coots					*Yellow-billed Cuckoo	O	O	R	
Ibises and Spoonbill					Yellow Rail			X	X	*Greater Roadrunner	C	C	C	C
White Ibis			X	X	*Virginia Rail	U	U	U	U	Groove-billed Ani	R	R	R	
White-faced Ibis	U	O		R	*Sora	U	O	U	U	Barn Owls				
Roseate Spoonbill			X		Purple Gallinule	X	X			*Barn Owl	U	U	U	U
New World Vultures					*Common Moorhen	R	R			Typical Owls				
*Turkey Vulture	C	C	C	X	*American Coot	A	C	A	A	Western Screech-Owl	R	R	R	R
Swans, Geese, & Ducks					Cranes					*Great Horned Owl	C	C	C	C
Black-bellied Whistling-Duck				X	Sandhill Crane	C		A	A	*Burrowing Owl	U	U	U	O
Fulvous Whistling-Duck	R	R	R		Common Crane	X				Long-eared Owl	R		R	R
Greater White-fronted Goose	O		O	O	Lapwings and Plovers					Short-eared Owl	R		R	R
Snow Goose	C	R	A	A	Black-bellied Plover	O	R	O	O	Northern Saw-whet Owl	R			R
Ross's Goose	C	R	A	A	American Golden-Plover	R		R		Goatsuckers				
*Canada Goose	C	U	C	C	*Snowy Plover	C	A	C		Lesser Nighthawk	O	O	O	
Tundra Swan			R	O	Semipalmated Plover	O	O	O		*Common Nighthawk	C	C	C	
*Wood Duck	O	R	O	O	*Killdeer	C	C	O		Common Poorwill	U	O	U	
*Gadwall	C	U	C	C	Mountain Plover	R		R		Swifts				
Eurasian Wigeon	X		X	X	Stilts and Avocets					Chimney Swift	R	R		
*American Wigeon	A	U	C	A	*Black-necked Stilt	C	C	U		White-throated Swift	X			
*Mallard	C	C	A	A	*American Avocet	C	C	C	R	Hummingbirds				
*Blue-winged Teal	C	O	C	O	Sandpipers, Phalaropes, and Allies					*Black-chinned Hummingbird	U	U	U	
*Cinnamon Teal	C	C	C	O	Greater Yellowlegs	C	U	C	U	Calliope Hummingbird		R		
*Northern Shoveler	A	U	A	A	Lesser Yellowlegs	C	C	C	R	Broad-tailed Hummingbird	O	O	O	
*Northern Pintail	A	R	A	C	Solitary Sandpiper	O	O	O		Rufous Hummingbird		U	U	
Garganey			X		Willet	U	O	O		Kingfishers				
Green-winged Teal	C	U	C	U	Spotted Sandpiper	O	O	O	R	Belted Kingfisher	U	O	U	U
*Canvasback	U	R	C	C	Upland Sandpiper	R		U		Woodpeckers and Allies				
Redhead	C	O	C	C	Whimbrel	R				Lewis' Woodpecker	R			R
Ring-necked Duck	O		U	U	Long-billed Curlew	U	O	U	R	*Red-headed Woodpecker	O	O	O	R
Greater Scaup				X	Hudsonian Godwit	R	R	R		Acorn Woodpecker			R	
*Lesser Scaup	U	R	C	C	Marbled Godwit	O	R	O		Red-bellied Woodpecker				X
Harlequin Duck				X	Ruddy Turnstone	X		X		Yellow-bellied Sapsucker	R		R	R
Surf Scoter	R		R	R	Red Knot		R	R		Red-naped Sapsucker	U		U	O
White-winged Scoter	R		R	R	Sanderling	O	O	O		*Ladder-backed Woodpecker	U	U	U	U
Long-tailed Duck	R		R	R	Semipalmated Sandpiper	O	O	O		Downy Woodpecker	O		O	O
Bufflehead	C	R	C	C	Western Sandpiper	C	C	C	O	Hairy Woodpecker			R	R
Common Goldeneye	O	R	U	U	Least Sandpiper	C	C	C	O	Northern Flicker	U	R	C	C
Barrow's Goldeneye				R	White-rumped Sandpiper	O	O	R		Tyrant Flycatchers				
Hooded Merganser	R	X	O	O	Baird's Sandpiper	U	U	U		Olive-sided Flycatcher	O	O	O	
Common Merganser	U	R	U	C	Pectoral Sandpiper	R	R	R		Western Wood-Pewee	U	U	U	
Red-breasted Merganser	O		O	O	Dunlin	O	R	O	R	Willow Flycatcher	R		R	
*Ruddy Duck	C	U	C	A	Curlew Sandpiper	X				Gray Flycatcher	R			
					Stilt Sandpiper	U	U	U		Dusky Flycatcher	R			
					Buff-breasted Sandpiper		X			Cordilleran Flycatcher	R	R		
					Short-billed Dowitcher	R	R	R		*Black Phoebe	U	U	U	R

Common Name	Sp	Su	F	W	Common Name	Sp	Su	F	W	Common Name	Sp	Su	F	W
Tyrant Flycatchers, continued					Mockingbirds and Thrashers					Sparrows, continued				
Eastern Phoebe	R		R	R	Gray Catbird	R	R	R	R	Le Conte's Sparrow			R	R
*Say's Phoebe	U	U	U	U	*Northern Mockingbird	C	C	C	O	Fox Sparrow			R	O
*Vermilion Flycatcher	O	O	O	R	Sage Thrasher	U		U	R	Song Sparrow	C		C	C
*Ash-throated Flycatcher	U	U	U		Brown Thrasher	O	R	R	R	Lincoln's Sparrow	U		U	O
Great Crested Flycatcher			X		Bendire's Thrasher		X	X		Swamp Sparrow	U		U	U
Cassin's Kingbird	O		O		*Curve-billed Thrasher	U	U	U	U	White-throated Sparrow				R
*Western Kingbird	C	C	C		Crissal Thrasher	O	O	O	O	Harris' Sparrow	R			R
Eastern Kingbird	R	R	R		Starlings					White-crowned Sparrow	A	O	A	A
Scissor-tailed Flycatcher	O	R	O		European Starling	U	U	U	U	Golden-crowned Sparrow	X			X
Shrikes					Pipits					Dark-eyed Junco	C		C	C
Loggerhead Shrike	C	U	C	C	American Pipit	U		U	C	McCown's Longspur	O		O	O
Northern Shrike	R			R	Sprague's Pipit	R		U		Chestnut-collared Longspur	C		A	C
Vireos					Waxwings					Cardinals and Allies				
<u>Solitary Vireo</u>	U		U		Cedar Waxwing	U	O	O	O	Northern Cardinal	R			R
Warbling Vireo	U	R	U		Silky Flycatchers					Pyrrhuloxia	O	R	O	O
Red-eyed Vireo			R	R	Phainopepla	R	R	R	R	Rose-breasted Grosbeak	O	R	O	
Jays and Crows					Wood-Warblers					Black-headed Grosbeak	U	R	U	
Steller's Jay	R		R	R	Tennessee Warbler	R				Blue Grosbeak	C	C	U	
*Blue Jay	O	O	O	O	Orange-crowned Warbler	U		U	R	Lazuli Bunting	U		U	
Western Scrub-Jay	R		O	O	Nashville Warbler	O				Indigo Bunting	U	O	U	
Pinyon Jay	R		R	R	Virginia's Warbler	O				Painted Bunting	R		R	
Clark's Nutcracker			X	X	Northern Parula	R	R			Dickeissel	R	R	R	
*Chihuahuan Raven	C	C	C	R	Yellow Warbler	C	R	U		Blackbirds				
Common Raven	R	R	R	R	Chestnut-sided Warbler	X				*Red-winged Blackbird	C	C	C	A
Larks					Cape May Warbler	X				*Eastern Meadowlark	C	C	C	C
Horned Lark	C	C	C	C	Black-throated Blue Warbler	R		R		*Western Meadowlark	C	C	C	C
Swallows					Yellow-rumped Warbler	A	O	A	O	Yellow-headed Blackbird	U	O	U	O
Purple Martin	R				Black-throated Gray Warbler	R		R		Rusty Blackbird			R	R
Tree Swallow	U	U	U		Black-throated Green Warbler	R		R		Brewer's Blackbird	C	R	C	A
Violet-green Swallow	O				Townsend's Warbler	O	R	O		Common Grackle	U	U	U	U
*No. Rough-winged Swallow	C	C	C	R	Yellow-throated Warbler	X		X	X	Great-tailed Grackle	O	O	O	O
Bank Swallow	O	O			Grace's Warbler			X		Bronzed Cowbird	R		R	
*Cliff Swallow	C	C	C		Palm Warbler	X				*Brown-headed Cowbird	U	U	U	R
*Barn Swallow	C	A	C		Bay-breasted Warbler			X		*Orchard Oriole	R	R		
Chickadees					Black-and-white Warbler	O	R	O		Hooded Oriole	X			
Mountain Chickadee	R		R	R	American Redstart	R		R		*Bullock's Oriole	C	C	U	
Bushtits					Prothonotary Warbler	X				Scott's Oriole	X	X	X	
Common Bushtit	X				Worm-eating Warbler	X				Finches				
Nuthatches					Ovenbird	R				Purple Finch				X
Red-breasted Nuthatch	O		O	R	Northern Waterthrush	O		R		Cassin's Finch	R		R	R
White-breasted Nuthatch	R		R	R	Kentucky Warbler	X				*House Finch	C	C	C	C
Pygmy Nuthatch				X	MacGillivray's Warbler	U		U		Red Crossbill	X			
Creepers					*Common Yellowthroat	C	C	U	R	Pine Siskin	U		U	O
Brown Creeper	O		O	O	Wilson's Warbler	C	R	C		Lesser Goldfinch	U		U	R
Wrens					Painted Redstart	X				American Goldfinch	U		U	U
Cactus Wren	R	R	R	R	Yellow-breasted Chat	U	R	U		Evening Grosbeak	R		R	R
*Rock Wren	U	U	U	U	Tanagers					Old World Sparrows				
Canyon Wren	R			R	Hepatic Tanager	R				*House Sparrow	U	U	U	U
Carolina Wren	X			X	Summer Tanager	U	O	R						
Bewick's Wren	U		U	U	Scarlet Tanager	X								
House Wren	U		U	O	Western Tanager	U	O	U						
Winter Wren			R	R	Green-tailed Towhee	U		U	R					
Sedge Wren			R	R	Spotted Towhee	U		U	U					
Marsh Wren	C		C	C	Canyon Towhee	O	R	O	O					
Kinglets					Sparrows									
Golden-crowned Kinglet			R	R	*Cassin's Sparrow	C	C	C						
Ruby-crowned Kinglet	C		C	U	Rufous-crowned Sparrow	O		O	O					
Gnatcatchers					American Tree Sparrow	R			O					
Blue-gray Gnatcatcher	U		U		Chipping Sparrow	C	C	C	O					
Thrushes					Clay-colored Sparrow	O		U						
Eastern Bluebird	R			R	Brewer's Sparrow	C		C	U					
*Western Bluebird	O	R	O	O	Field Sparrow	R		R	R					
Mountain Bluebird	O		O	O	Black-chinned Sparrow	R		R						
Townsend's Solitaire	R		O	O	Vesper Sparrow	U		U	U					
Gray-cheeked Thrush	X				*Lark Sparrow	C	C	C	R					
Hermit Thrush	U		U	R	Black-throated Sparrow	U	U	U	R					
Wood Thrush	R		R	R	Sage Sparrow	U		U	U					
*American Robin	O	O	O	O	Lark Bunting	U	U	C	U					
					Savannah Sparrow	C		C	C					
					Grasshopper Sparrow	O		O	R					
					Baird's Sparrow	R		R	X					